FIGURE 1

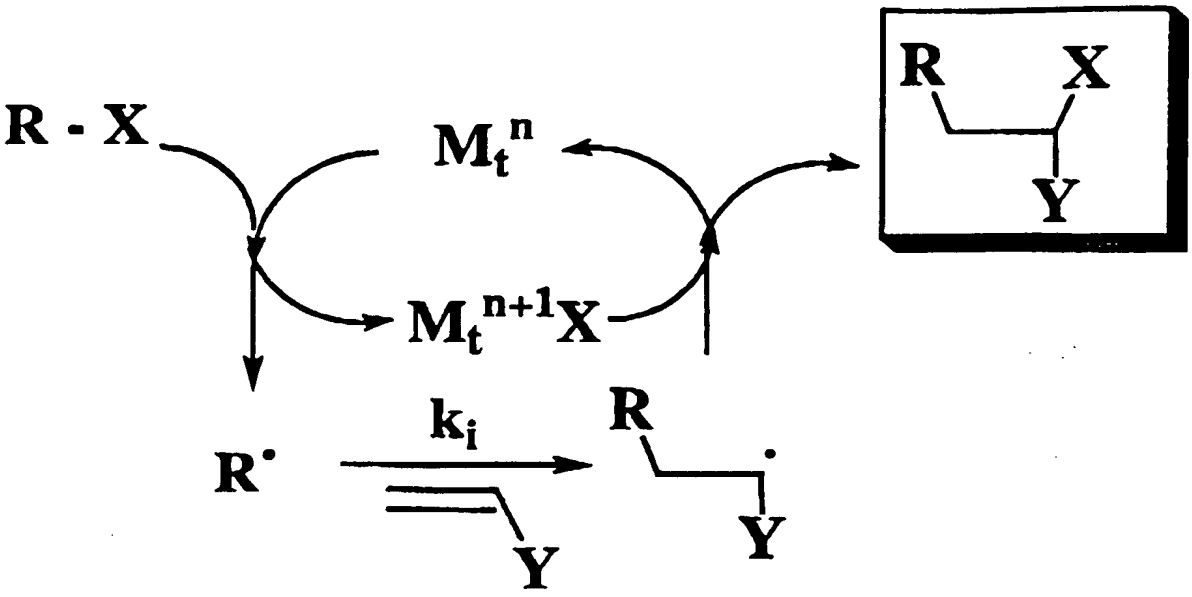
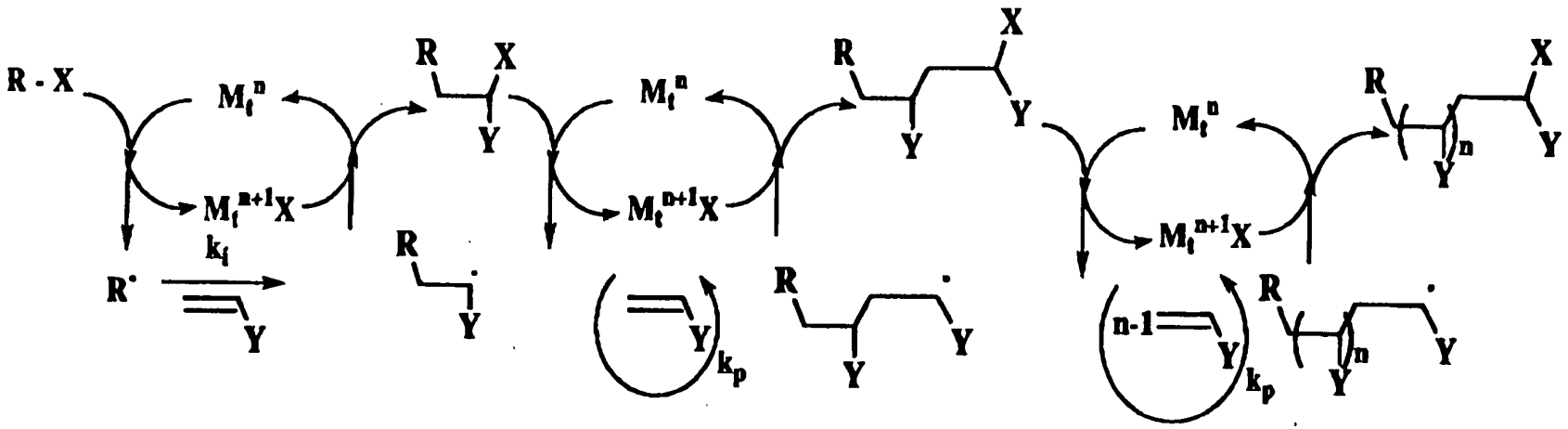


FIGURE 2



Initiation:

$$R\text{-}X + M_t^n \rightleftharpoons \left[R^{\bullet} + M_t^{n+1}X \right]$$

$$\downarrow +M \qquad\qquad k_i \downarrow +M$$

$$R\text{-}M\text{-}X + M_t^n \rightleftharpoons \left[R\text{-}M^{\bullet} + M_t^{n+1}X \right]$$

Propagation:

$$M_{n+1}\text{-}X + M_t^n \rightleftharpoons \left[M_{n+1}^{\bullet} + M_t^{n+1}X \right]$$

$$(+M)\ k_p$$

08/414415

FIGURE 3

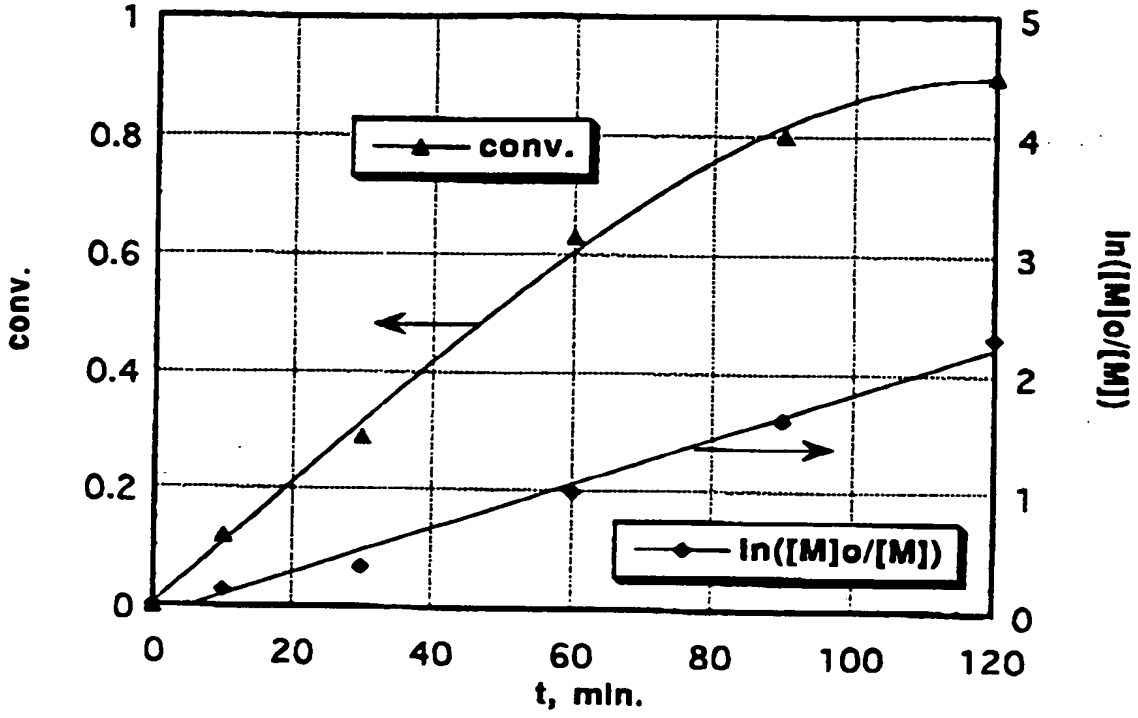

conv.
ln([M]o/[M])
conv.
ln([M]o/[M])
t, min.
0
0.2
0.4
0.6
0.8
1
0
1
2
3
4
5
0
20
40
60
80
100
120

FIGURE 4

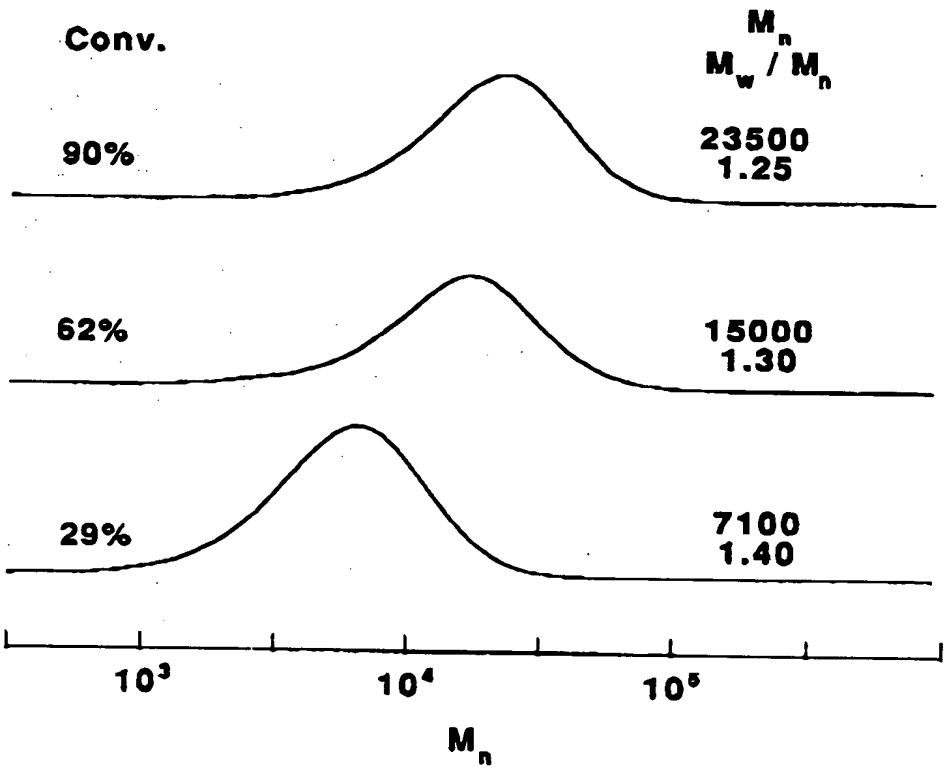

Conv.
M_n
M_w / M_n
90%
23500
1.25
62%
15000
1.30
29%
7100
1.40
10^3
10^4
10^5
M_n

FIGURE 5

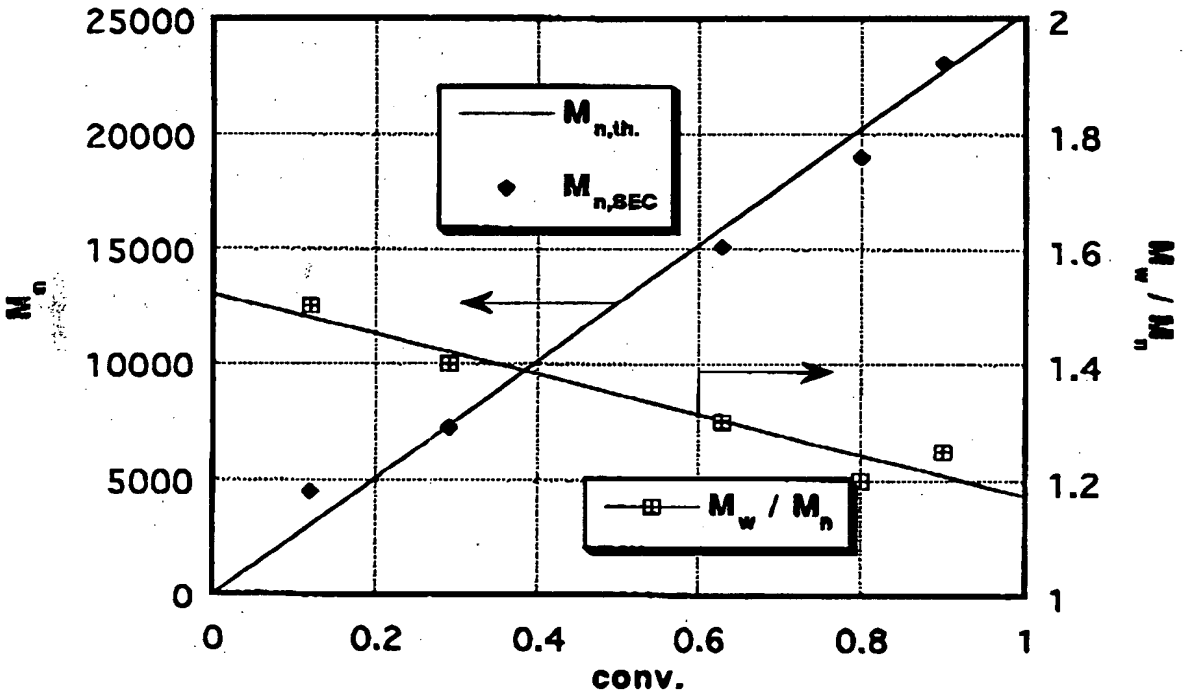

25000
20000
15000
10000
5000
0
2
1.8
1.6
1.4
1.2
1
0
0.2
0.4
0.6
0.8
1
conv.
$M_{n,th.}$
$M_{n,SEC}$
M_w / M_n

FIGURE 6

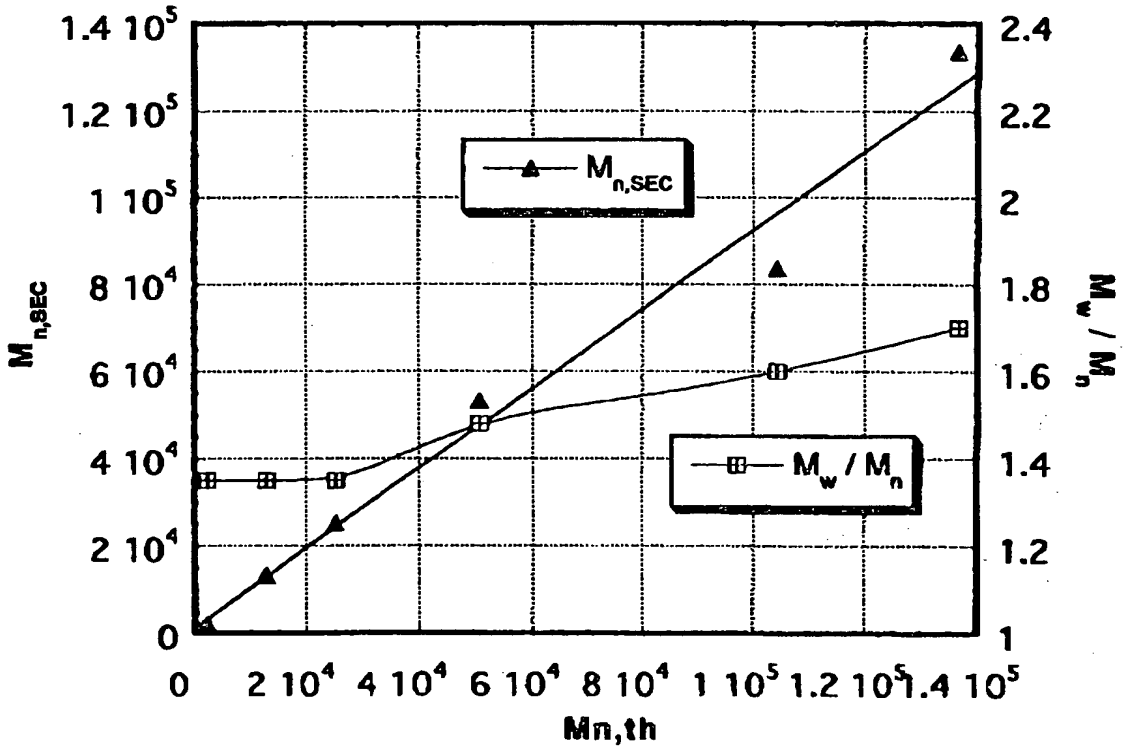
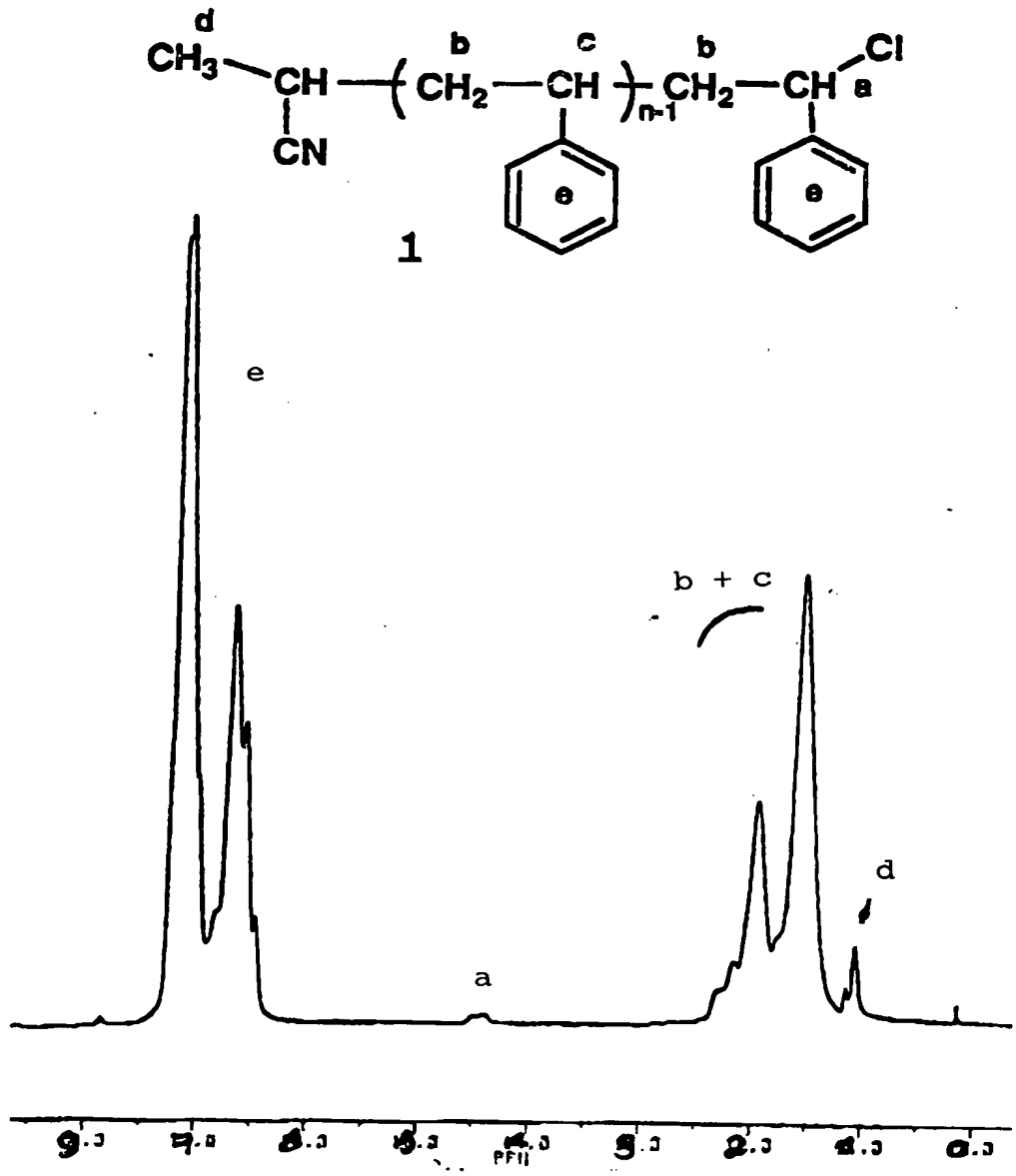

1.4 10^5
1.2 10^5
1 10^5
8 10^4
6 10^4
4 10^4
2 10^4
0
M n,SEC
2.4
2.2
2
1.8
1.6
1.4
1.2
1
M w / M n
M n,SEC
M w / M n
0
2 10^4
4 10^4
6 10^4
8 10^4
1 10^5
1.2 10^5
1.4 10^5
Mn,th

FIGURE 7



08/414415

FIGURE 8

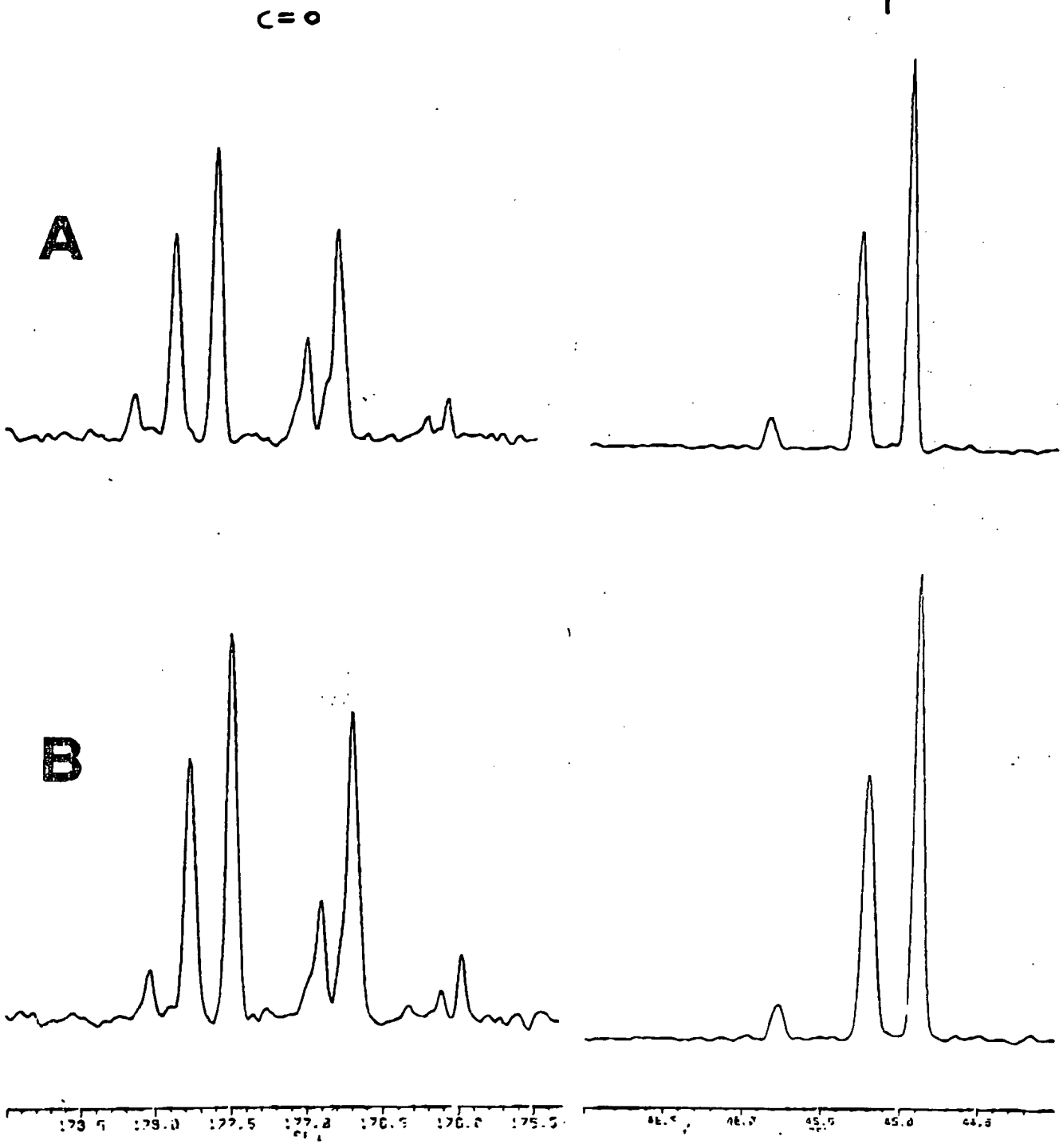


FIGURE 9

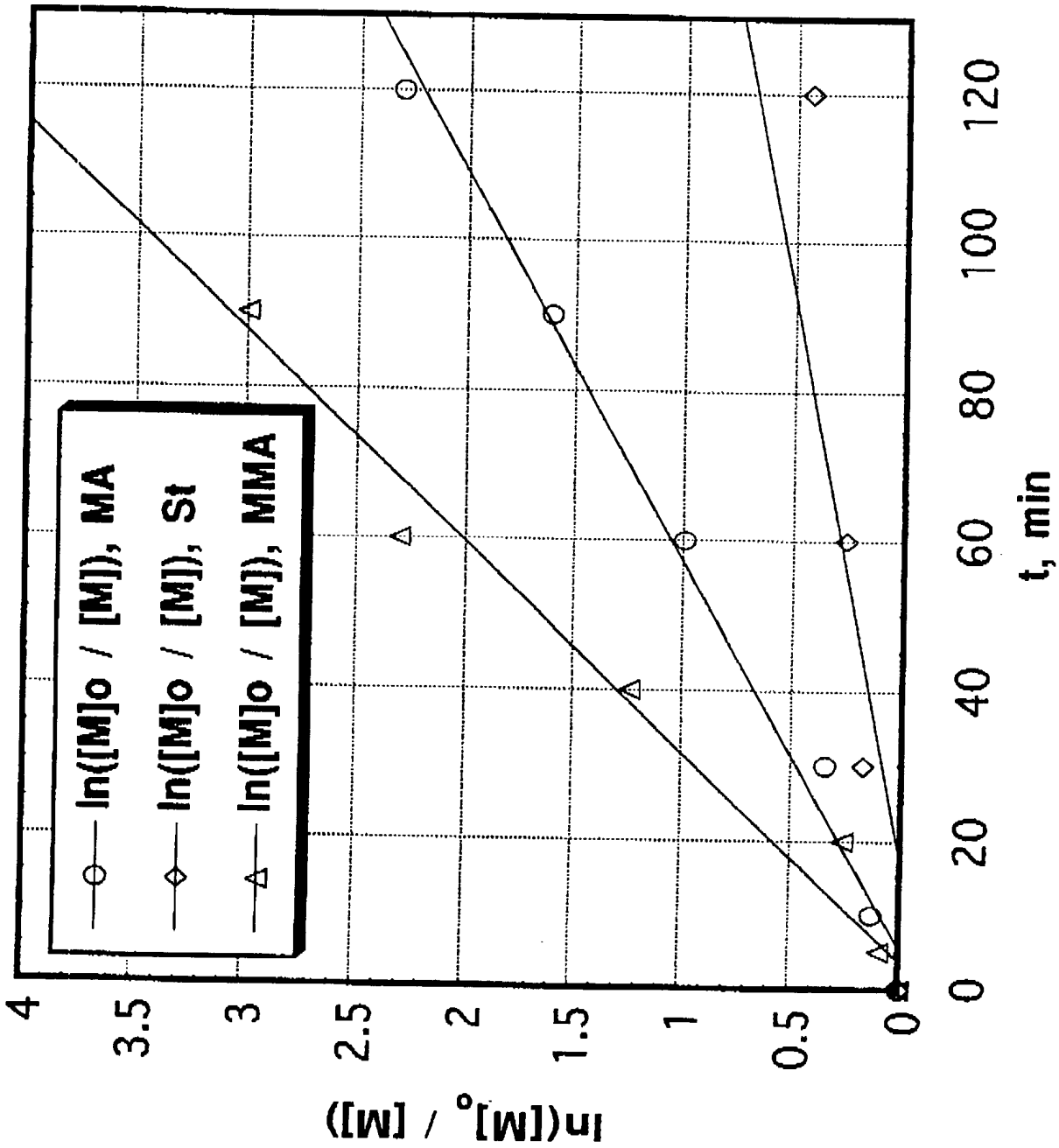

ln([M]o / [M]), MA
ln([M]o / [M]), St
ln([M]o / [M]), MMA
ln([M]o / [M])
t, min
0
0.5
1
1.5
2
2.5
3
3.5
4
0
20
40
60
80
100
120

FIGURE 10

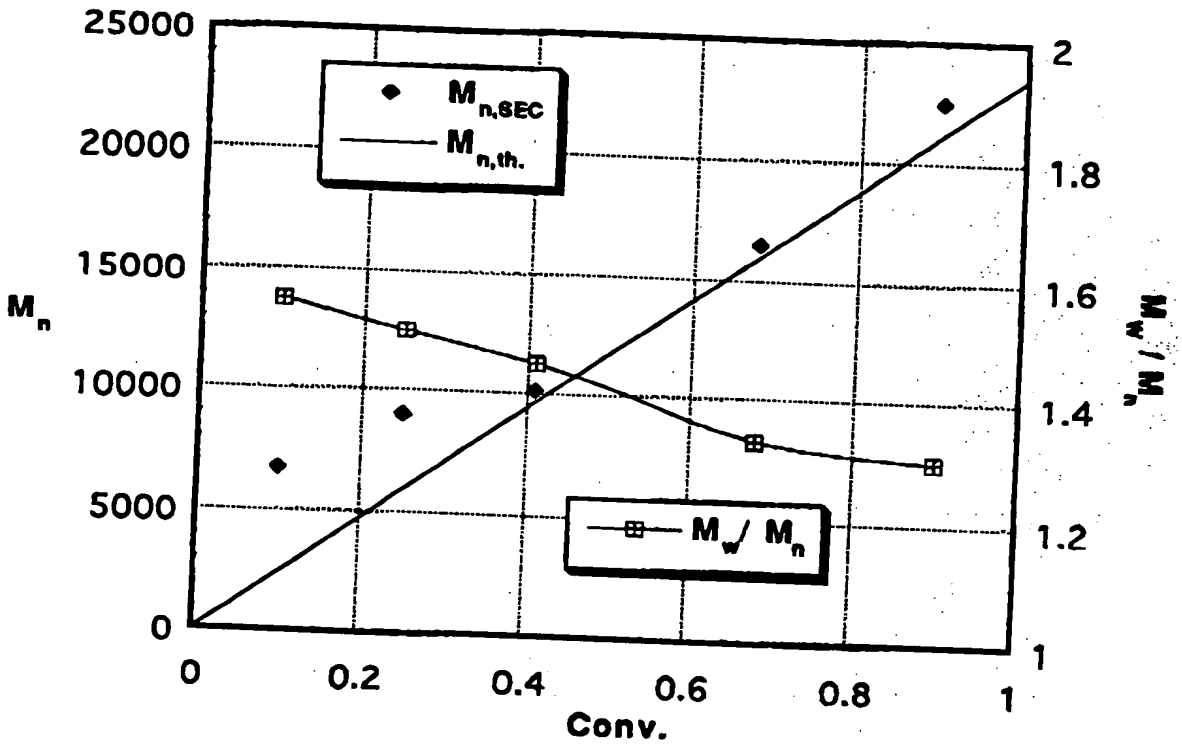

25000
20000
15000
10000
5000
0
M_n
0
0.2
0.4
0.6
0.8
1
Conv.
2
1.8
1.6
1.4
1.2
1
M_w / M_n
$M_{n,SEC}$
$M_{n,th.}$
M_w / M_n

FIGURE 11

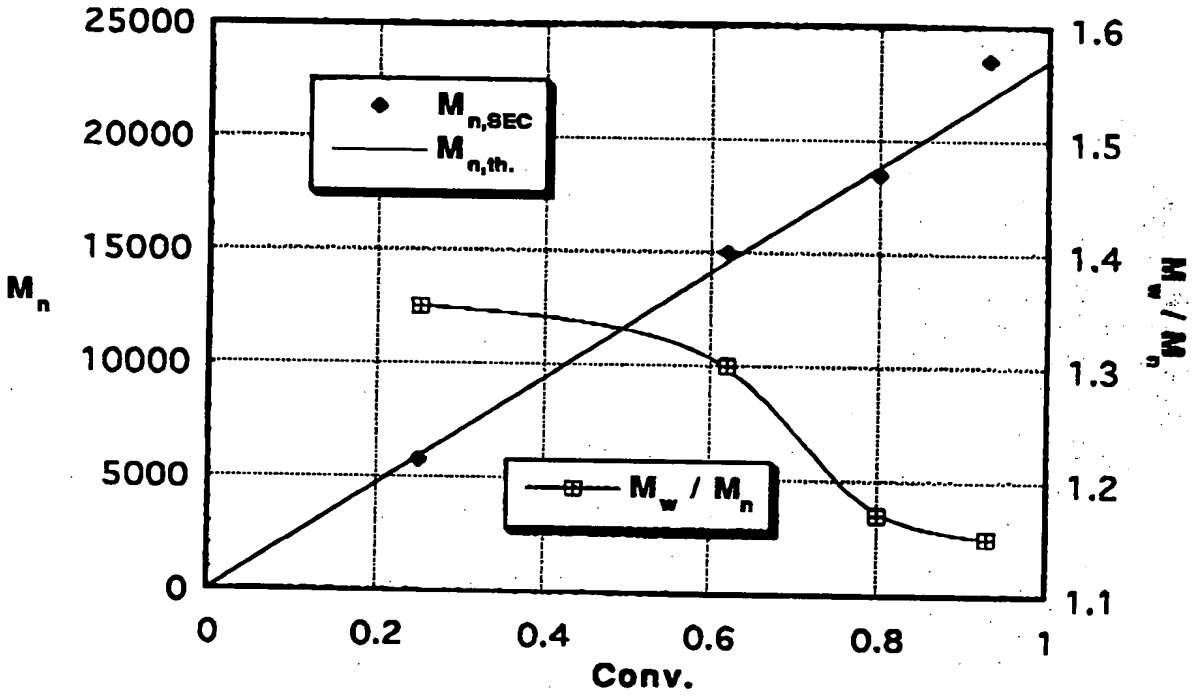
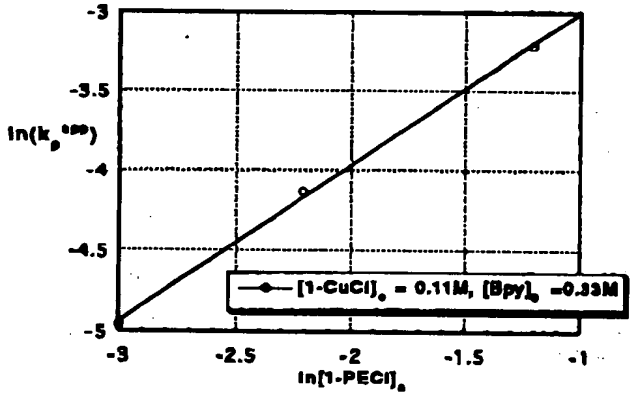
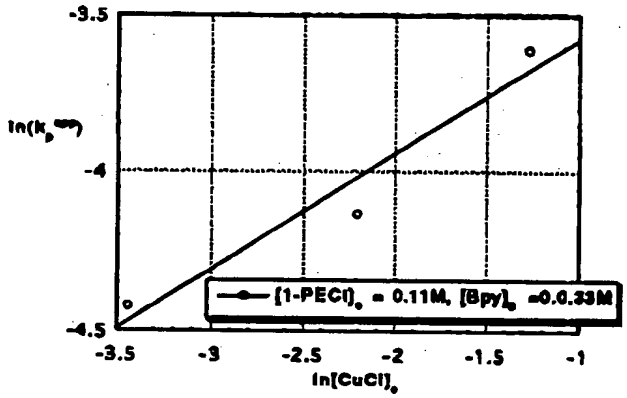

25000
20000
15000
10000
5000
0
M_n
$M_{n,SEC}$
$M_{n,th.}$
M_w / M_n
0
0.2
0.4
0.6
0.8
1
Conv.
1.6
1.5
1.4
1.3
1.2
1.1
M_w / M_n

FIGURE 12

A



B



C

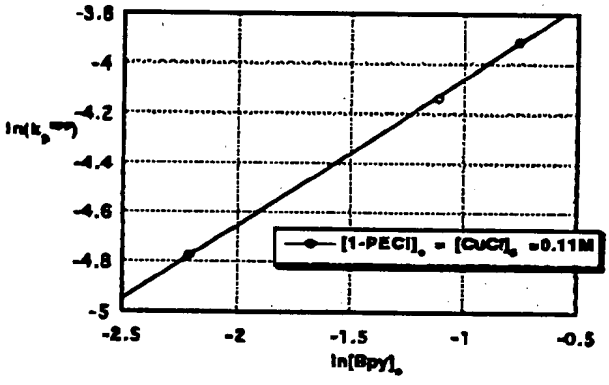
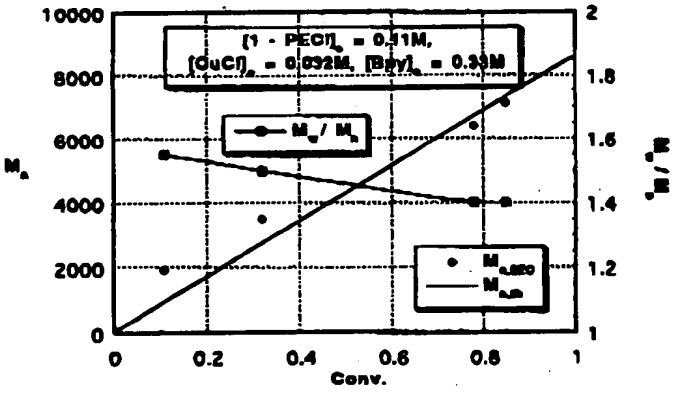
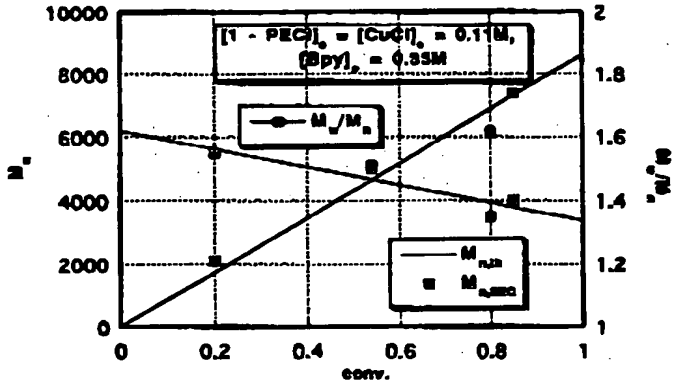


FIGURE 13

A



B



C

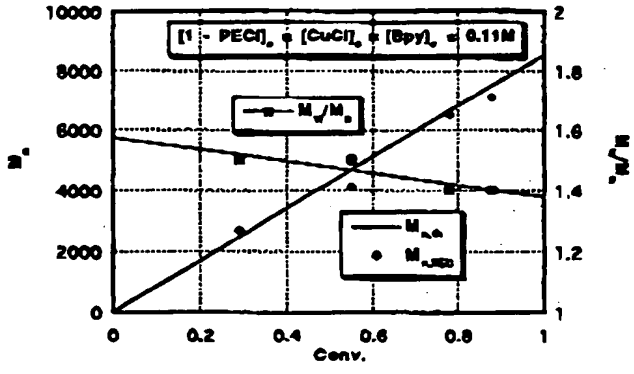
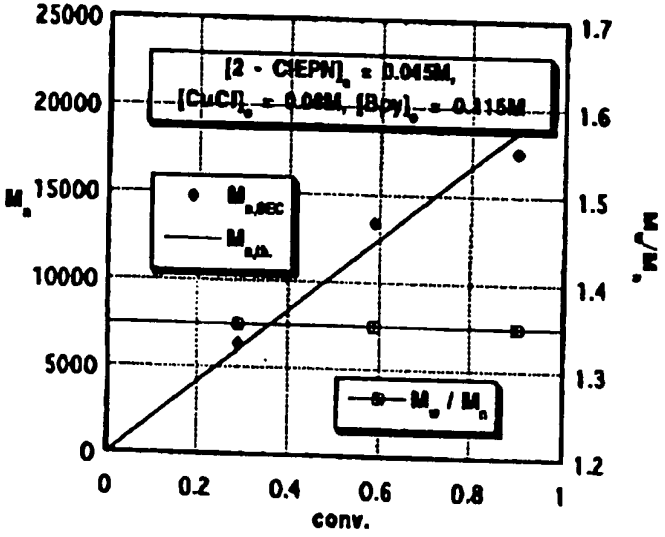
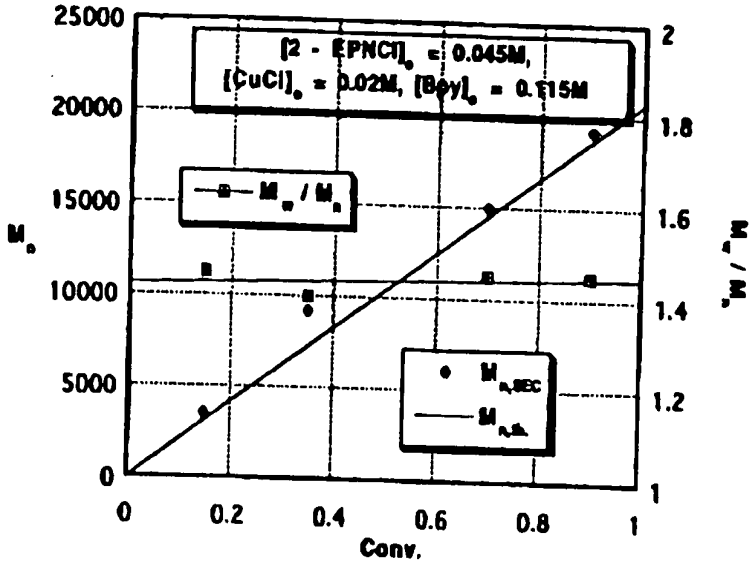


FIGURE 14

A

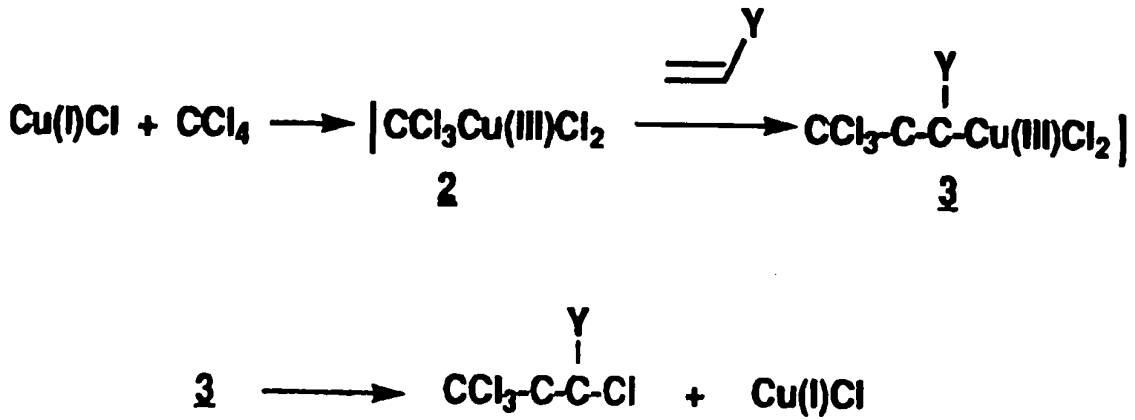


B



08/414415

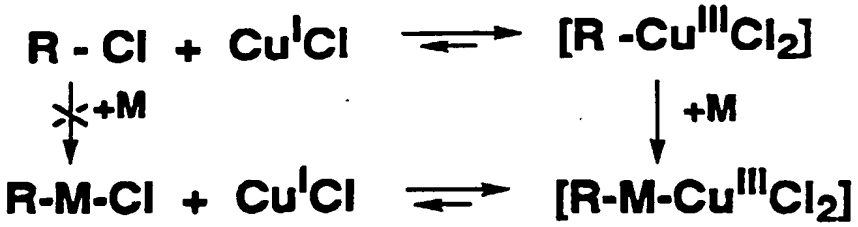
FIGURE 15



08/414,415

FIGURE 16

Initiation:



Propagation:

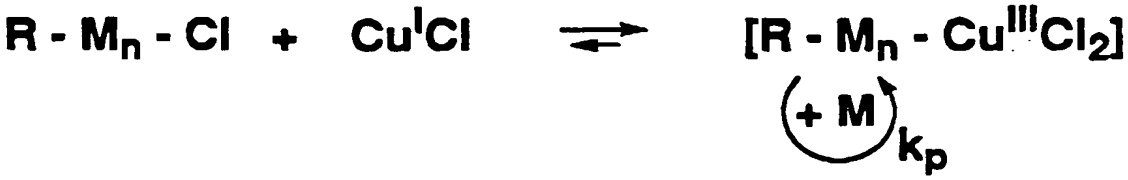
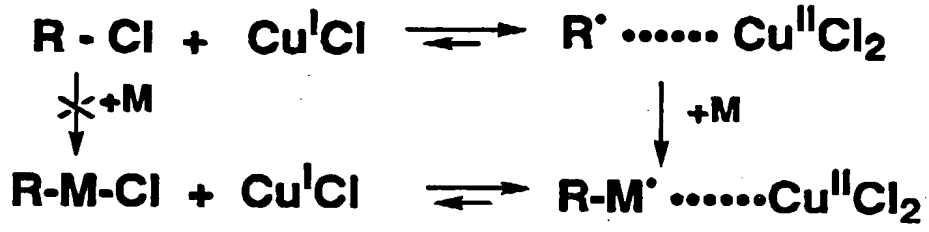


FIGURE 17

Initiation:



Propagation:

FIGURE 18A

FIGURE 18B

08/414415